

524-549

1/14/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

January 14, 2014

Stephen A. Adams  
Monsanto Company  
1300 I Street, NW  
Suite 450 East  
Washington, DC 20005

Subject: New Use Amendment for RD 1617 Herbicide Use in Research Field Trials and Seed Production of Corn Hybrids Using the Roundup Hybridization System (RHS)  
Supplemental Label  
EPA Reg. No. 524-549  
Date Submitted: June 25, 2010

Dear Mr. Adams:

The application referred to above, under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable under FIFRA §3(c)(7)(B) subject to the following conditions:

1. You must submit and/or cite all data required for registration review of your product when the Agency requires all registrants of similar products to submit such data. Data requirements for glyphosate are outlined in GDCI-417300-886 under docket ID EPA-HQ-2009-0361 at [regulations.gov](http://regulations.gov).
2. The supplemental labeling must be incorporated into the main product labeling within eighteen (18) months from the date of this letter.

A stamped copy of the supplemental label is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products released for shipment after eighteen (18) months from the date of this letter must bear the new revised label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions regarding this letter, please contact Maggie Rudick at (703) 347-0257 or [rudick.maggie@epa.gov](mailto:rudick.maggie@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", written over a large, horizontal, oval-shaped scribble.

Kable Bo Davis  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

## SUPPLEMENTAL LABELING

This supplemental label expires on September 30, 2016 and may not be used or distributed after this date.

READ THE ENTIRE LABEL FOR ROUNDUP POWERMAX® HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

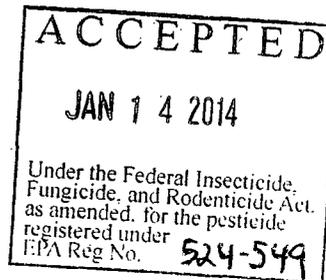
When using Roundup PowerMAX Herbicide as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the label booklet provided with the pesticide container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.

Primary Brand Name:

**RD 1617 Herbicide**

Alternate Brand Name(s):  
**Roundup PowerMAX® Herbicide**

EPA Reg. No. 524-549




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### Use in Research Field Trials and Seed Production of Corn Hybrids Using the Roundup® Hybridization System (RHS)

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Keep out of reach of children

### CAUTION!

In case of an emergency involving this product, call collect, day or night, 314-694-4000.

® Roundup, Roundup PowerMAX, and Roundup Ready are registered trademarks of Monsanto Technology LLC.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This label must be in the possession of the user at the time of herbicide application.

ROUNDUP READY® CROPS CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO GLYPHOSATE, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO CROPS THAT ARE NOT GLYPHOSATE TOLERANT. AVOID CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE, AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT.

See the "PRODUCT INFORMATION," "MIXING" and "ROUNDUP READY CROPS" sections of the Roundup PowerMAX herbicide product label for important product use information.

The RHS designation indicates that the corn contains Monsanto proprietary gene technology that allows for tassel-only susceptibility to this product. Use of this product on corn hybrids or inbreds that are not designated as RHS or as corn containing Roundup Ready 2 Technology could result in severe crop injury and yield loss.

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product for corn hybrid seed production using the RHS.

Maximum Application Rates	
Combined total per year for all applications	5.3 quarts per acre
Total of all Preplant, At-Planting, Preemergence Early-Season Weed Control applications	3.3 quarts per acre
Total of all Postemergence (In-crop) Early-Season Weed Control applications	64 fluid ounces per acre (Up to 22 fluid ounces per application)
Total of all Tassel Control applications	64 fluid ounces per acre (Maximum of two applications)
Maximum Preharvest application rate	22 fluid ounces per acre
Maximum Post-Harvest application rate	3.3 quarts per acre

RESTRICTIONS: Minimum spray volume for ground and aerial application is 2 gallons per acre (GPA). Preharvest and Post-Harvest application allowed only if the combined total maximum application rate of 5.3 quarts per acre is not exceeded.

### **EARLY-SEASON WEED CONTROL**

This product may be used for early-season weed control up to the V8 stage (8 leaves with collars) in corn seed production fields planted with corn containing Roundup Ready 2 Technology and RHS corn inbred recipient lines.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)

#### **Preplant, At-Planting, Preemergence**

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting.

TANK MIXTURES: This product may be tank-mixed with the products listed below. Ensure that the product used is labeled for application prior to emergence of corn. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water, or 10 to 60 gallons of nitrogen solution, per acre.

*[Insert active ingredient(s) or brand name of product(s) containing the following active ingredients that, at the time of printing, are registered for use preplant, at-planting and/or preemergence to field corn:*

2,4-D; acetochlor; alachlor; atrazine; carfentrazone-ethyl; clopyralid; dicamba; diflufenopyr; dimethenamid; dimethenamid-p; flufenacet; flumetsulam; flumiclorac pentyl ester; isoxaflutole; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; rimsulfuron; saflufenacil; simazine; thiencazone-methyl

Aim; Aim EC; Axiom; Balance Flexx; Banvel; Bicep MAGNUM; Bicep II MAGNUM; Bicep Lite II MAGNUM; Bullet; Cinch; Cinch ATZ; Clarity; Corvus; Degree; Degree Xtra; Distinct; Dual MAGNUM; Dual II MAGNUM; Frontier; FulTime; Guardsman; Guardsman MAX; Harness; Harness Xtra; Harness Xtra 5.6L; Hornet; Keystone; Keystone LA; Lariat; Leadoff; Linex; Lorox; Marksman; Me-Too-Lachlor II; Micro-Tech; Outlook; Prowl; Python; Python II; Radius; Resolve; Resource; Shark; Sharpen; Simazine; Stalwart; Stalwart C; Stalwart Xtra; Surpass; TopNotch; TripleFlex]

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

Refer to individual tank-mix product label for restrictions and precautions; use according to the most restrictive precautionary statements for each product in the tank mixture.

**NOTE:** For maximum weed control, make a postemergence (in-crop) application of this product following the use of the preemergence residual products listed above.

**Postemergence (In-crop)**

**USE INSTRUCTIONS:** This product may be applied alone or in a tank-mix over the top of corn being grown for hybrid corn seed production using the RHS from emergence to the V8-stage of corn plant development (8 leaves with collars).

When applied as directed, this product will control annual grasses and broadleaf weeds listed on the product label. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. Make a postemergence application of 16 to 22 fluid ounces of this product per acre before weeds exceed 4 inches in height (before they become competitive with the crop). Repeat this application before new flushes of weeds exceed 4 inches in height, up to a maximum total application rate of 64 fluid ounces of this product per acre per season.

**TANK MIXTURES:** This product may be tank-mixed with the following products. Ensure that the product used in the tank mixture is registered for application postemergence (in-crop) to corn. Read and follow label directions of all products in the tank mixture.

*[Insert active ingredient(s) or brand name of product(s) containing the following active ingredients that, at the time of printing, are registered for use postemergence (in-crop) to field corn:*

2,4-D, acetochlor, alachlor, atrazine, carfentrazone-ethyl, clopyralid, dicamba, diflufenzopyr, flumetsulam, flumiclorac pentyl ester, formasulfuron, halosulfuron-methyl, iodosulfuron-methyl-sodium, isoxafutole; mesotrione, nicosulfuron, rimsulfuron, trembotrione; thiencazuron-methyl; thifensulfuron methyl, topramezone

Aim EC; Banvel; Basis; Basis Gold; Bullet; Callisto; Capreno; Clarity; Corvus; Degree; Degree Xtra; Distinct; Equip; Harness; Harness Xtra; Harness Xtra 5.6L; Hornet; Impact; Laudis; Marksman; Micro-Tech; Option; Resolve; Resource; Shark; Status; TripleFLEX; Warrant]

<b>Tank-mix Partner</b>	<b>Maximum Height Of Corn At Application</b>
Degree Degree Xtra Harness Harness Xtra Harness Xtra 5.6L	11 inches
Bullet* Micro-Tech*	5 inches
atrazine	12 inches
Warrant	30 inches

\* Bullet and Micro-Tech are not registered for use as a postemergence application in Texas.

**RESTRICTIONS:** Do not apply more than a total of 64 fluid ounces of this product per acre for postemergence (in-crop) application for early-season weed control. Allow a minimum of 10 days between applications of this product.

Refer to individual tank-mix product label for restrictions and precautions; use according to the most restrictive precautionary statements for each product in the tank mixture.

**TASSEL CONTROL**

**USE INSTRUCTIONS:** This product may be applied at 11 to 32 fluid ounces per acre as an over-the-top broadcast application for tassel control in RHS-based seed production fields from the V8 stage until either the V13 stage or 100 GDU (Growing Degree Units) before flowering.

**RESTRICTIONS:** Make no more than two applications of this product for tassel control.

**LATE-SEASON WEED CONTROL**

TYPES OF APPLICATION: Preharvest, Post-Harvest

**Preharvest**

USE INSTRUCTIONS: Up to 22 fluid ounces of this product per acre may be applied for annual and perennial weed control prior to harvest.

RESTRICTIONS: The maximum combined total amount of this product that may be applied per year, including for weed control and tassel control, is 5.3 quarts per acre. A preharvest application of this product may be made only if this maximum rate is not exceeded. Allow a minimum of 30 days between application and harvest or grazing of forage, and a minimum of 7 days prior to harvesting of grain and stover.

**Post-Harvest**

USE INSTRUCTIONS: This product may be applied for weed control after crop harvest. Higher rates may be required for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used.

RESTRICTIONS: The maximum combined total amount of this product that may be applied per year, including for weed control and tassel control, is 5.3 quarts per acre. A post-harvest application of this product may be made only if this maximum rate is not exceeded. Allow a minimum of 7 days between treatment and harvesting or feeding of treated vegetation. Allow a minimum of 30 days between application and the planting of any crop not listed on the Roundup PowerMAX herbicide product label.

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**Read the "Limit of Warranty and Liability" in the label booklet for Roundup PowerMAX herbicide before using. These terms apply to this supplemental labeling and if these terms are not acceptable, return the product unopened at once.**

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© [year]

MONSANTO COMPANY  
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[insert print plate number]

[insert date]